3-257-258-**11** (1)

Portable CD Player

Operating Instructions

COMPACT DISC DIGITAL AUDIO

XP-SP30

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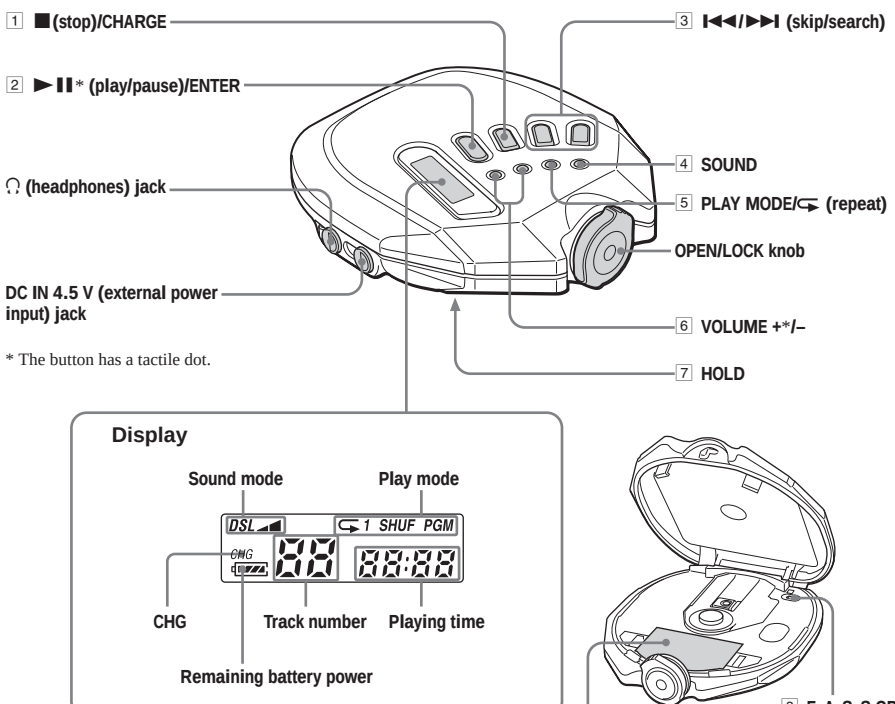
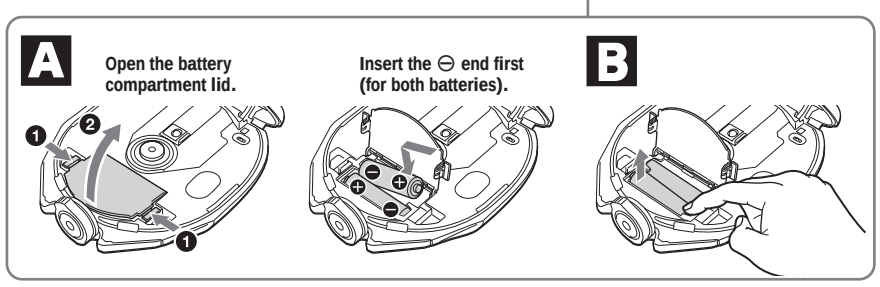
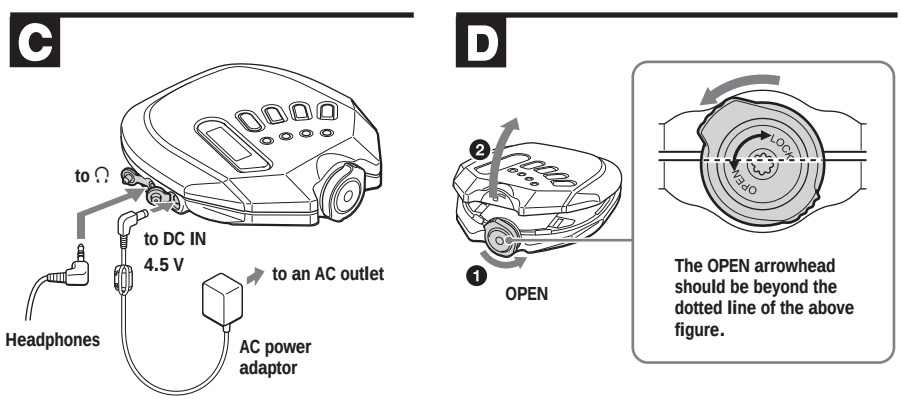
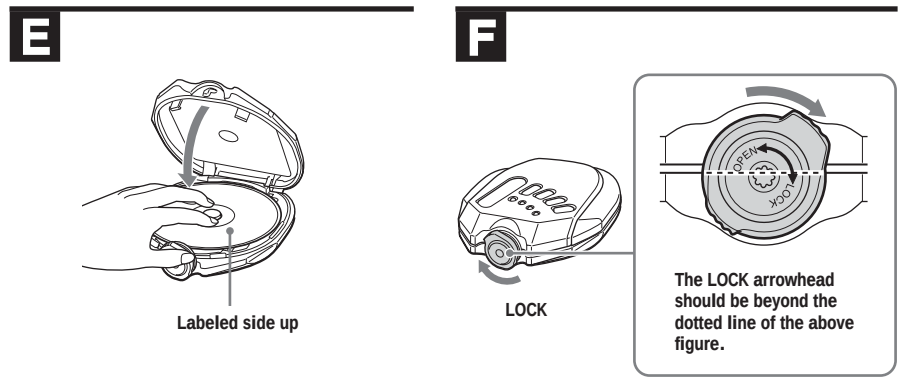
http://www.aiwa.com/



* The button has a tactile dot.







WARNING

To prevent fire or shock hazard, do not expose the AC power adaptor to rain or moisture.

Do not install the appliance in a confined space, such as a bookcase or built-in cabinet.

To prevent fire, do not cover the ventilation of the apparatus with newspapers, tablecloths, curtains, etc. And don't place lighted candles on the apparatus.

To prevent fire or shock hazard, do not place objects filled with liquids, such as vases, on the apparatus.

CAUTION

The use of optical instruments with this product will increase eye hazard.

Certain countries may regulate disposal of the battery used to power this product. Please consult with your local authority.

CAUTION

- INVISIBLE LASER RADIATION WHEN OPEN
- DO NOT STARE INTO BEAM OR VIEW DIRECTLY WITH OPTICAL INSTRUMENT

The validity of the CE marking is restricted to only those countries where it is legally enforced, mainly in the countries EEA (European Economic Area).

Owner's Record

The model number is located at the rear and the serial number is located inside the lid of the CD player. Record the serial number in the space provided below. Refer to them whenever you call upon your Aiwa dealer regarding this product.
Model No. XP-SP30
Serial No. _____

For the customers in the USA

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
– Reorient or relocate the receiving antenna.
– Increase the separation between the equipment and receiver.
– Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
– Consult the dealer or an experienced radio/TV technician for help.
You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

Power sources

Usable batteries

Use only the following batteries for your CD player:

Dry batteries

- LR6 (size AA) alkaline batteries (not supplied)

Rechargeable batteries

Charge the rechargeable batteries before using them for the first time.

- Commercially-available size AA Ni-MH rechargeable batteries of 1.2 V DC, 700 mAh

To insert the batteries (A)

1 Turn the OPEN/LOCK knob fully to OPEN until it stops and open the lid (D).
2 Open the battery compartment lid inside the CD player.
3 Insert two batteries by matching ⊕ to the diagram in the battery compartment and close the lid of the battery compartment until it clicks into place.

To charge the rechargeable batteries

1 After inserting the rechargeable batteries in the battery compartment, connect the AC power adaptor to the DC IN 4.5 V jack and an AC outlet (C).
2 Press ■/CHARGE.
The CD player starts charging.
The "CHG" indicator turns on in the display and the indicator sections of [▰▰▰] light up in succession.
When the batteries are completely charged, the "CHG" and [▰▰▰] indicators get turned off.
If you press ■/CHARGE after the charge has already been completed, the [▰▰▰] indicator flashes and "Full" appears in the display.
3 Disconnect the AC power adaptor.

To remove the batteries (B)

Press down the ⊖ side of the batteries and remove them.

To check the remaining power of the batteries

You can check it in the display.
Replace the batteries when "[▱]" flashes.

[▰▰▰] → [▰▰▱] → [▰▱▱] → [▱▱▱] → [▱] →

"Lo batt"*

* Beep sounds only when the CD player is set to emit beep. See "To turn off the operation beep sound" on the reverse side.

Notes

- The indicator sections of [▰▰▰] roughly shows the remaining battery power. One section does not always indicate one-fourth of the battery power.
- Depending on operating conditions, the indicator sections of [▰▰▰] may increase or decrease.

Battery life* (approx. hours)

(When the CD player is used on a flat and stable place.)
Playing time varies depending on how the CD player is used.

	E•A•S•S GP ON	OFF
Two Sony alkaline batteries LR6 (SG) (produced in Japan)	50	40

* Measured value by the standard of JEITA (Japan Electronics and Information Technology Industries Association)

Notes on using the dry batteries

- Be sure to remove the AC power adaptor.
- When the batteries are depleted, replace both batteries with new ones.

To use the AC power adaptor

Connect the AC power adaptor to an AC outlet (C).

Playing a CD

To insert a CD

1 Turn the OPEN/LOCK knob fully to OPEN until it stops and open the lid (D).
2 Fit the CD to the pivot and close the lid (E).
3 Turn the OPEN/LOCK knob fully to LOCK until it stops to fasten the lid securely (F).

Notes

- This CD player can play discs recorded in the Compact Disc Digital Audio (Audio CD) format.
- This CD player can play CD-Rs/CD-RWs recorded in the Compact Disc Digital Audio (Audio CD) format, but playback capability may vary depending on the quality of the disc and the condition of the recording device.
- This product is designed to play back discs that conform to the Compact Disc (CD) standard. Recently, various music discs encoded with copyright protection technologies are marketed by some record companies. Please be aware that among those discs, there are some that do not conform to the CD standard and may not be playable by this product.

To operate the CD player

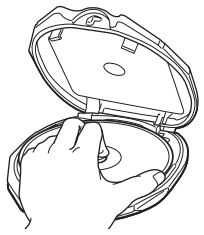
Button/Switch	Function/Operation
1 ■(stop)/ CHARGE	Press to stop playing. Press also to start charging.
2 ►❚❚(play/pause)/ ENTER	Press to start playing. Press again to pause playing. To play from the first track, press for 2 seconds or more while the CD player is stopped. Press to enter the selected track for the PGM play.
3 I◄◄/►►I (skip/search)	Press I◄◄ or ►►I once to find the beginning of the current/next track. Press I◄◄ or ►►I repeatedly to find the beginning of the previous/succeeding tracks. Press and hold I◄◄ or ►►I to go backward/forward quickly.
4 SOUND	Use to emphasize the bass-boosted sound. Press repeatedly to select ***DSL*** or ***DSL***▰. ***DSL***▰ enhances more than ***DSL***.*1
5 PLAY MODE/ ↻ (repeat)	Press repeatedly until the play mode you want appears in the display. No indication: Normal play "1": Single play "SHUF": Shuffle play "PGM": PGM (program) play To repeat the play mode you selected, press and hold until "↻" appears. To cancel it, press and hold again until "↻" disappears.
6 VOLUME +/–	Press repeatedly to adjust the volume.
7 HOLD	Set to ON to lock the controls on your CD player to prevent accidental button presses.
8 E•A•S•S GP*2	Set to ON to protect against sound skipping.

*1 If the sound is distorted when using the SOUND function, turn down the volume.
*2 See "The E•A•S•S GP function" on the reverse side.

(Continue to the reverse side)

To remove the CD

Remove the CD while pressing the pivot.



To turn off the operation beep sound

You can turn off the beep sound that is heard through the headphones when you operate the CD player.

1 Remove the power source (AC power adaptor, rechargeable batteries or dry batteries) from the CD player.

2 Connect the power source while pressing ■/CHARGE.

To turn on the beep sound

Remove the power source and then connect the power source without pressing ■/CHARGE.

Playing tracks in your favorite order (PGM play)

You can program the CD player to play up to 24 tracks in your favorite order.

1 During playback, press PLAY MODE/↻ repeatedly so that “PGM” starts flashing in the display.

2 Press I◄◄ or ►►I to select a track.

3 Press ►II to enter the selected track in the program. “00” appears and the playing order increases by one.

4 Repeat steps 2 and 3 to program more tracks.

5 Press and hold ►II until the PGM play starts.

To check the program

Press ►II repeatedly before step 5. Each time you press ►II, track numbers appear in order of the program.

Notes

- During the PGM play, you cannot check the program.
- When you have entered the 24th track in the program in step 3, the first entered track appears in the display.
- If you enter more than 24 tracks, the programmed tracks are erased from the first track.

The E•A•S•S GP function

The E•A•S•S GP function has been developed to provide excellent protection against sound skipping during many active uses.

Set E•A•S•S GP (under the lid) to ON to protect against sound skipping.

To turn off the E•A•S•S GP function

Set E•A•S•S GP to OFF.

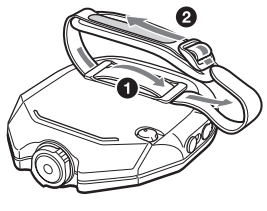
Note

Sound may skip:
– if the CD player receives stronger continuous shock than expected,
– if a dirty or scratched CD is played or
– when using poor-quality CD-Rs/CD-RWs or if there is a problem with the recording device or application software.

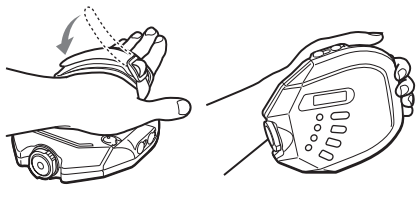
Using the hand strap

During active uses, use the supplied hand strap.

1 Pass the strap through the hooks.



2 Put your hand between the CD player and the strap, then adjust the length of the strap and fix it using the Velcro tapes.



Precautions

On safety

- Should any solid objects or liquid fall into the CD player, unplug it and have it checked by qualified personnel before operating it any further.
- Do not put any foreign objects in the DC IN 4.5 V (external power input) jack.

On power sources

When you are not using the CD player for a long time, disconnect all power sources from the CD player.

On AC power adaptor

- Use only the supplied AC power adaptor. If your CD player is not supplied with the one, use the optional AC-E45HG AC power adaptor. Do not use any other AC power adaptor. It may cause a malfunction.

Polarity of the plug

- Do not touch the AC power adaptor with wet hands.
- Connect the AC power adaptor to an easily accessible AC outlet. Should you notice an abnormality in the AC power adaptor, disconnect it from the AC outlet immediately.

On rechargeable batteries and dry batteries

- Do not charge the dry batteries.
- Do not throw the batteries into fire.
- Do not carry the batteries with coins or other metallic objects. It can generate heat if the positive and negative terminals of the battery are accidentally contacted by a metallic object.
- Do not mix rechargeable batteries with dry batteries.
- Do not mix new batteries with old ones.
- Do not use different types of batteries together.
- When the batteries are not to be used for a long time, remove them from the CD player.
- If battery leakage occurs, wipe off any deposit in the battery compartment, and install new batteries. In case the deposit adheres to you, wash it off thoroughly.

Notes on the rechargeable batteries

- To keep the original battery capacity for a long time, charge the batteries only when they are completely depleted.
- If the battery is new or has not been used for a long time, it may not be charged completely until you charge and discharge it several times.
- If the rechargeable batteries and the metallic objects get contacted, heat or fire may occur due to a short circuit.

When to replace the rechargeable batteries

If the battery life becomes shorter by about half, replace the batteries with new rechargeable batteries.

On the CD player

- Keep the lens on the CD player clean and do not touch it. If you do so, the lens may be damaged and the CD player will not operate properly.
- Do not put any heavy object on top of the CD player. The CD player and the CD may be damaged.
- Do not leave the CD player in a location near heat sources, or in a place subject to direct sunlight, excessive dust or sand, moisture, rain, mechanical shock, unleveled surface, or in a car with its windows closed.
- If the CD player causes interference to the radio or television reception, turn off the CD player or move it away from the radio or television.
- Discs with non-standard shapes (e.g., heart, square, star) cannot be played on this CD player. Attempting to do so may damage the CD player. Do not use such discs.

Note on moisture condensation

If the CD player is suddenly moved from a cold place to a warm place, it may result in moisture condensation on the pickup lens and malfunction or playback difficulties. Should this occur, leave the CD player for a few hours, then try playback again.

On headphones

Road safety

Do not use headphones while driving, cycling, or operating any motorized vehicle. It may create a traffic hazard and is illegal in some areas. It can also be potentially dangerous to play your headsets at high volume while walking, especially at pedestrian crossings. You should exercise extreme caution or discontinue use in potentially hazardous situations.

Preventing hearing damage

Avoid using headphones at high volume. Hearing experts advise against continuous, loud and extended play. If you experience a ringing in your ears, reduce volume or discontinue use.

Consideration for others

Keep the volume at a moderate level. This will allow you to hear outside sounds and to be considerate to the people around you.

Do not immerse in water

This product is not meant to be immersed in water or come in continuous contact with water.

- Before turning the OPEN/LOCK knob to open the lid, be sure to wipe off water, dust or sand on the exterior of the CD player. Open and close the lid where water or sand cannot fall in the CD player, and make sure that your hands are dry. If water or sand falls in the CD player, trouble may occur.
- When closing the lid, check that there is no dust or sand on the rubber packing around the lid. Then close the lid firmly and lock it by turning the OPEN/LOCK knob.
- If the CD player is splashed with salt water, wipe clean with a damp cloth, then dry with a soft dry cloth. Do not wash under running water; do not use soap or detergent; or do not dry with an electric hair dryer.
- The supplied headphones are not meant to be immersed in water or come in continuous contact with water. If they are accidentally dropped into water or get wet, dry them with a soft cloth. Never use an electric hair dryer.
- The supplied or optional AC power adaptor is not water resistant. To prevent shock hazard, avoid using the CD player near water during AC operation.
- Cover the DC IN 4.5 V jack and ∩ jack with the attached rubber caps when nothing is connected to these jacks. If the inside of the jacks are contaminated with water or sand, rust may develop and cause trouble.

Note

Since the CD player is airtight, you may not be able to open the lid when there is a sudden change in air pressure inside the CD player. This happens when the CD player is transported on a plane or moved from a warm place to a cold place. In this case, open the rubber cap on the DC IN 4.5 V jack.

Maintenance

To clean the casing

Use a soft cloth slightly moistened in water or a mild detergent solution. Do not use alcohol, benzine or thinner.

To clean the plugs

If the plugs become dirty, there is no sound or noise is heard. Clean them with a dry soft cloth periodically.

To remove dust or sand from the rubber packing

Any sand or dust on the rubber packing will prevent the lid from shutting tightly, and water may leak in. Brush off the dust once in a while.
We recommend the replacement of the rubber packing every year which is available optionally at an authorized Sony service facility.

Troubleshooting

Should any problem persist after you have made these checks, consult your nearest Aiwa dealer.

“Hold” appears in the display when you press a button, and the CD does not play.

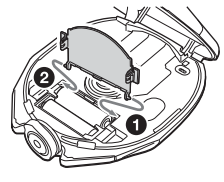
→The buttons are locked. Set HOLD to OFF.

The CD player does not start charging.

→During stop, press ■/CHARGE.

The battery compartment lid is detached by an accidental drop, excessive force, etc.

→Attach it as illustrated below.



Specifications

System

Compact disc digital audio system

Laser diode properties

Material: GaAlAs
Wavelength: λ = 780 nm
Emission duration: Continuous
Laser output: Less than 44.6 µW (This output is the value measured at a distance of 200 mm from the objective lens surface on the optical pick-up block with 7 mm aperture.)

Power requirements

For the area code of the model you purchased, check the upper left side of the bar code on the package.

- Two LR6 (size AA) batteries: 1.5 V DC × 2
- AC power adaptor (DC IN 4.5 V jack):
  U, U2, CA, CA2, E92, MX2, TW2 and CA2/C models: 120 V, 60 Hz
  CED, CED/4, CE7, CE7/C, EE, EE1, E, E13 and E13/2 models: 220 - 230 V, 50/60 Hz
  CEK model: 230 V, 50 Hz
  AU2 model: 240 V, 50 Hz
  EU8, EU8/C, JE.W, E18, KR4 and EE8 models: 100 - 240 V, 50/60 Hz
  HK4 model: 230 V, 50 Hz
  CNA model: 220 V, 50 Hz
- Two Ni-MH rechargeable batteries (size AA): 1.2 V DC × 2

Dimensions (w/h/d) (without projecting parts and controls)

Approx. 133 × 34 × 151 mm (5 1/4 × 1 3/8 × 6 in.)

Mass (excluding accessories)

Approx. 333 g (11.7 oz)

Operating temperature

5°C - 35°C (41°F - 95°F)

Design and specifications are subject to change without notice.

Supplied accessories

Headphones (1)
Hand strap (1)
AC power adaptor* (1)

* Not supplied with the U model. For the area code of the model you purchased, check the upper left side of the bar code on the package.

Optional accessories

AC power adaptor	AC-E45HG

Your dealer may not handle the accessory above. Please ask the dealer for detailed information about the accessories in your country.

For the customers in the USA

For assistance and information
visit us on the internet at
www.us.aiwa.com
call toll free 1-800-BUY-AIWA
(United States only)